

**Notice of Allowability**

Application No.

09/587,052

Applicant(s)

LINDQUIST, TIMOTHY JOHN

Examiner

Daniel Pan

Art Unit

2183

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 06/13/06.
2. ☒ The allowed claim(s) is/are 1-8, 10-12 and 14-18.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other \_\_\_\_\_

DANIEL R. PAN  
PRIMARY EXAMINER  
09/06

### Reasons for Allowance

Claims 9,13 have been canceled. None of the prior art of record further teaches the specific feed forward limitations of the image data with the first configuration and second configuration. The combined features of the dynamically configurable communication means selectively arranged the processing units in the first and second distinct configurations, the first configuration having a larger number of processing unit in parallel than the second configuration, the second configuration of deeper pipeline than that first configuration, the image data , the first configuration used for first type image processes having no necessity for feed forward of data calculation whilst the second configuration used for second type image having necessity for the feed forward data calculations .

Each of the following claims has been found practical application by physical transformation . Therefore, the claims met the statutory requirement of 35 U.S.C. §101 (page 19, 101 Interim Guidelines).

a) claim 1, lines 2-3, see the each of the processing units are interconnected to common bus, and arranged in parallel.

b) claim 11, a plurality of processing units interconnected by a common bus (lines 1-4), and arranged in parallel;

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- c) claim 17, the computer processor comprising a plurality of processing units interconnected to the communication means (lines 1-4), and arranged in parallel ;
- d) claim 18, the computer processor having a plurality of processing units interconnected to the communication means (lines 1-4), and arranged in parallel.

The communication means as taught in the specification includes a data bus configurable to selectively interconnect the processing units into at least the first and second distinct configurations (see applicant's specification page 3, lines 14-16). The data bus is a packet-based bus and each of the processing units is adapted to place data on and take data from the packet-based bus, the first and second configurations being selectable by manipulating packet addressing on the packet-data bus (page 3, lines 21-24). See fig.3 for parallel interconnection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dan Pan whose telephone number is 571 272 4172. The examiner can normally be reached on M-F from 8:30 AM to 4:00 PM.

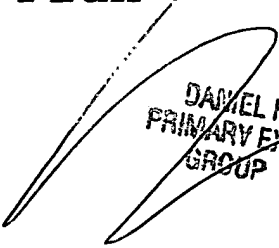
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chan, can be reached on 571 272 4162. The fax phone number for the organization where this application or proceeding is assigned is 703 306 5404.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

## ***21 Century Strategic Plan***



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